

S.No	Problem Statement ID	Problem Statement Name	Domain
4	CT-DFIR - 04	Narcotics Website Takeover Tool	DFIR

Description:

The Drug Website Takeover Tool is designed to assist law enforcement agencies in targeting and shutting down illegal drug-related websites operating on the surface web or dark web. These websites may promote or facilitate the sale of narcotics, launder money, or engage in other criminal activities.

The tool will identify vulnerabilities in such websites and enable law enforcement to disrupt their operations by taking control of the site, blocking access, or shutting it down entirely, depending on legal authority and jurisdiction.

Objectives:

1. Identify Drug Websites:

- Locate and map websites involved in illegal drug activities using advanced scanning and reconnaissance techniques.
- Categorize websites based on their type (e.g., sales, forums, marketplaces).

2. Analyze Vulnerabilities:

- Detects technical weaknesses in the website, such as unpatched software, weak authentication, or misconfigured servers.
- Prioritize vulnerabilities that can enable a controlled and legal takeover.

3. Website Takeover:

- Provide tools to safely and efficiently take control of the website.
- Replace illegal content with a takedown notice or redirect traffic to an educational or law enforcement page.

4. Ensure Legal Compliance:

- Develop mechanisms to ensure the takeover process adheres to local and international cyber laws.
- Log all activities for transparency and use in court proceedings, if needed.

Expectations:

1. For Developers:

- Create a tool that uses ethical hacking methods to identify and exploit vulnerabilities.
- Ensure the tool is secure and does not cause unintended damage to infrastructure.

2. For Law Enforcement:

- Provide a step-by-step process to monitor, analyze, and disrupt illegal drug websites.
- Include features for reporting and documenting actions taken for legal accountability.

3. For Society:

- Help reduce the availability of illegal drugs by disrupting their online networks.
- Contribute to awareness efforts by redirecting users to rehabilitation or anti-drug resources.

Expected Results:

1. Identification of Illegal Websites:

- Map and monitor websites promoting or selling drugs.

2. Efficient Vulnerability Exploitation:

- Identify technical weaknesses and use them to safely disrupt operations.

3. Successful Website Takeovers:

- Replace illegal content with official law enforcement notices or educational material.

4. Reduced Online Drug Activity:

- Disrupt supply chains by making it harder for criminals to operate.

5. Enhanced Public Awareness:

- Redirect users to educational content about the dangers of drug abuse.